

Serial Number: 10/722,566
Attorney/Docket No.: DANN3010/FJD

Amendments to the Specification:

On page 1, prior to the first paragraph which begins in line 3 please insert the following:

FIELD OF THE INVENTION

The present invention relates to a differential pressure sensor with hydraulic pressure transfer.

BACKGROUND OF THE INVENTION

On page 1, please delete the first sentence in the first paragraph, which starts on line 3 as follows:

~~The present invention relates to a differential pressure sensor with hydraulic pressure transfer.~~ Such pressure sensors include, as a rule a measuring mechanism having a

On page 2, please amend line 20 as follows:

German Offenlegungsschrift (laid open Patent Application) DE 376 13 236 A1

On page 2, prior to line 38, please insert the sub-title as follows:

SUMMARY OF THE INVENTION

Please replace the first complete paragraph on page 3, beginning on line 4, which starts with "The object is" with the following amended paragraph:

~~The object is solved by the differential pressure sensor of claim 1. Additional advantages and features of the invention are provided by the dependent claims, the description and the drawings~~ which comprises a measuring mechanism which has: a chamber on the high-pressure side that is sealed by a first dividing membrane and filled with a transfer medium; a chamber on the low-pressure side that is sealed by a second dividing membrane and filled with a transfer medium; a pressure sensitive element which separates the two chambers; and a throttle for damping overload pulses. The

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throttle is arranged between the pressure sensitive element and the second dividing membrane.

On page 5, prior to the paragraph beginning on line 9, please insert the section heading as follows:

SUMMARY OF THE INVENTION

On page 5, line 13 please amend as follows:

~~The drawings show:~~

On page 5, please amend line 15 as follows:

Fig. 1 - is a cross section

On page 5, please amend line 18 as follows:

Fig. 2 - shows simulation results

On page 5, please amend line 24 as follows:

Fig. 3 - shows the measured

On page 5, please amend line 28 as follows:

Fig. 4 - shows the transient response

On page 5, prior to the paragraph beginning on line 31, please insert the section heading as follows:

DESCRIPTION OF THE PREFERRED EMBODIMENTS